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IAP9 Rec'd PCT/PTO 29 AUG 2006

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q96666

Katsuhisa MASUMOTO, et al.

Appln. No.: Unknown

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: August 29, 2006

Examiner: Unknown

For: PROCESSES FOR PRODUCING 3-METHYL-2-BUTENYL ACETATE

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. N. Ostergaard et al., "Scope and Limitations of chiral bis(oxazoline) ligands in the copper-catalysed asymmetric cyclopropanation of trisubstituted alkenes", Tetrahedron 57, (2001), pp. 6083-6088.

2. J. Ward et al., "Synthesis of (2E)-4-hydroxy-3-methylbut-2-enyl diphosphate, a key intermediate in the biosynthesis of isoprenoids", J. Chem. Soc., Perkin Trans. 1, (2002), pp. 710-712.

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INFORMATION DISCLOSURE STATEMENT

3. N. Kann et al., "New Functionalized Horner-Wadsworth-Emmons Reagents: Useful Building Blocks in the Synthesis of Polyunsaturated Aldehydes. A Short Synthesis of (\pm)-(E,E)-Coriolic Acid", J. Org. Chem. 55, (1990), pp. 5312-5323.

4. A. Chakraborti et al., "Electrostatic catalysis by ionic aggregates: scope and limitations of $\text{Mg}(\text{ClO}_4)_2$ as acylation catalyst", Tetrahedron 59, (2003), pp. 7661-7668.

5. A. Charaborti et al., "Indium (III) chloride as a new, highly efficient, and versatile catalyst for acylation of phenols, thiols, alcohols, and amines", Tetrahedron Letters 44, (2003), pp. 6749-6753.

6. The Chemical Society of Japan, 'Dai 4 pan Jikken Kagaku Koza 22, Yuki Gosei IV - San · Amino San · Peptide-' Maruzen Co., Ltd., (1992), 50-51.

7. I. Hogan et al., "An Efficient Synthesis of Streptindole", Synthesis, (1984), pp. 872.

8. U.S. Patent No. 4,734,239 issued March 29, 1988 to Diamantoglou et al.

9. U.S. Patent No. 6,034,268 issued March 7, 2000 to Surburg et al.

10. U.S. Patent No. 6,278,016 issued August 21, 2001 to Babler.

11. U.S. Patent No. 5,872,277 issued February 16, 1999 to Babler.

12. U.S. Patent No. 5,488,141 issued January 30, 1996 to Bauer, Jr. et al.

13. JP 5-140035 A, published June 8, 1993 with English translation.

One copy of each of the listed documents is submitted herewith, except for the following:
U.S. patents.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action

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on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

Applicant encloses herewith a copy of the International Search Report dated June 2, 2005. Also enclosed is an English language translation of document 6 and a partial English language translation of document 13. These documents are also cited in the International Search Report which indicates the degree of relevance.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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WASHINGTON OFFICE

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CUSTOMER NUMBER

Date: August 29, 2006

Substitute for Form 1449 A & B/PTO <u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	Unknown
				Confirmation Number	Unknown
				Filing Date	August 29, 2006
				First Named Inventor	Katsuhisa MASUMOTO
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	1	Attorney Docket Number	Q96666

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 4,734,239	A	03/29/1988	Diamantoglou et al.
		US 6,034,268	A	03/07/2000	Surburg et al.
		US 6,278,016	A	08/21/2001	Babler
		US 5,872,277	A	02/16/1999	Babler
		US 5,488,141	A	01/30/1996	Bauer, Jr. et al.
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	5-140035	A	06/08/1993		English

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		N. Ostergaard et al., "Scope and Limitations of chiral bis(oxazoline) ligands in the copper-catalysed asymmetric cyclopropanation of trisubstituted alkenes", Tetrahedron 57, (2001), pp. 6083-6088.	
		J. Ward et al., "Synthesis of (2E)-4-hydroxy-3-methylbut-2-enyl diphosphate, a key intermediate in the biosynthesis of isoprenoids", J. Chem. Soc., Perkin Trans. 1, (2002), pp. 710-712.	
		N. Kann et al., "New Functionalized Horner-Wadsworth-Emmons Reagents: Useful Building Blocks in the Synthesis of Polyunsaturated Aldehydes. A Short Synthesis of (±)-(E,E)-Coriolic Acid", J. Org. Chem. 55, (1990), pp. 5312-5323.	
		A. Chakraborti et al., "Electrostatic catalysis by ionic aggregates: scope and limitations of Mg(ClO ₄) ₂ as acylation catalyst", Tetrahedron 59, (2003), pp. 7661-7668.	
		A. Charaborti et al., "Indium (III) chloride as a new, highly efficient, and versatile catalyst for acylation of phenols, thiols, alcohols, and amines", Tetrahedron Letters 44, (2003), pp. 6749-6753.	
		"The Chemical Society of Japan, Dai 4 pan Jikken Kagaku Koza 22, Yuki Gosei IV - San · Amino San · Peptide-, Maruzen Co., Ltd., (1992), 50-51".	
		I. Hogan et al., "An Efficient Synthesis of Streptindole", Synthesis, (1984), pp. 872.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.